

# Offset GPS Measurements

## Data Work Sheet

Data Recorded By: \_\_\_\_\_

Date Recorded: Year \_\_\_\_\_ Month: \_\_\_\_\_ Day: \_\_\_\_\_

Circle Site type: School Atmosphere Hydrology

Soil \_\_\_\_\_ Land Cover Phenology

Other \_\_\_\_\_

Site Name: \_\_\_\_\_

School Name: \_\_\_\_\_

School Address: \_\_\_\_\_

### Offset GPS Measurements

Measured Latitude: \_\_\_\_\_ degrees N or S (circle one)

Measured Longitude: \_\_\_\_\_ degrees W or E (circle one)

Direction from GLOBE site to offset location: N or S (circle one)

Distance from GLOBE site to offset location (Distance): \_\_\_\_\_ meters

### Computations

Change in Latitude =  $\frac{\text{Distance: } \_\_\_\_\_\_ \text{ meters}}{0.0011 \text{ meters/degree}}$  = \_\_\_\_\_ degrees

### GLOBE Site's Latitude:

If offset location further from Equator than the study site:

GLOBE site latitude = \_\_\_\_\_ (Measured Latitude) - \_\_\_\_\_ (Change in latitude) = \_\_\_\_\_ degrees N or S  
(circle one)

If offset location closer to the Equator than the study site:

GLOBE site latitude = \_\_\_\_\_ (Measured Latitude) + \_\_\_\_\_ (Change in latitude) = \_\_\_\_\_ degrees N or S  
(circle one)

GLOBE site's longitude: \_\_\_\_\_ W or E (circle one) *Same as Measured Longitude at the Offset location*

GLOBE site's elevation: \_\_\_\_\_ From a local topographic map using your site's latitude and longitude